

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: KS5P5016E60V35XSX

Catalog No: AL08D2430MFAFTOAOO

5.5 Kw, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S5 Duty, KS160M1 Frame, 60 CDF,
150 Start/Hr., TEFC



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Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.5 kW
Frequency	50 Hz	Voltage	415 V
Current	13.5 A	Speed	970 rpm
Phase	3	Duty	S5
Frame	KS160M1	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	45 °C
Drive End Bearing Size	6309 ZZ	Opp Drive End Bearing Size	6309 ZZ
UL	No	CSA	No
CE	No	IP Code	55
CDF	60 %	Start/Hr	150
RA	18 A	RV	185 V
Insulation class Stator/Rotor	F/F	Temp. Rise Stator/Rotor	75/75 K
Stator Connection	Delta	Rotor Connection	Star
Efficiency Class	Standard		

Technical Specifications

Electrical Type	Slipping	Starting Method	Rotor resistance starter
Rotation	Bi-Directional	Mounting	IMB3
Motor Orientation	Horizontal	Drive End Bearing	Antifriction
Opp Drive End Bearing	Antifriction	Frame Material	Cast Iron/Fabricated
Shaft Type	Single Cylinder	Overall Length	815.00 mm
Frame Length	815.00 mm	Shaft Diameter	42.000 mm
Shaft Extension	110 mm	Assembly/Box Mounting	Top
Rotor GD2	0.64 kg·m²	Pull Out Torque	4.1
Connection Drawing	DP2132	Outline Drawing	CM1383

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P	P	n	POT	T	U	f	I	RA	RV	CDF	Duty	No. of Starts/Hr.	Frame
[kW]	[hp]	[RPM]	XFLT	[Nm]	(V)	[Hz]	[A]			%			
5.5	7.5	970	4.1	222	415	50	13.5	18	185	60	S5	150	KS160M1

Motor type	Slipring	Degree of protection	IP-55
Enclosure	TEFC	Motor weight - approx.	200 kg
Frame Material	-	Gross weight- approx.	kg
Mounting type	IMB3	Motor GD2	0.64 kgm ²
Cooling method	IC411	Vibration level	As per IS:12075 mm/s
Voltage variation	+/-10%	Noise level (1meter distance from motor)	As per IS:12065 dB(A)
Frequency variation	+/-5%	Starting method	Rotor resistance starter
Combined variation	10%	Coupling	Direct / Gearbox
Insulation class	F/F	Direction of rotation	Bi-directional
Ambient temperature	45	Paint shade	RAL5011
Temperature rise (by resistance)	75/75	Type of Terminal Box	Standard
Altitude above sea level	Upto 1000	Terminal box position	Top
Efficiency		Max. Cable size	Refer to TBA drg.
Power Factor		Bearing type	Antifriction
Stator Connection	Delta	DE Bearing	6309 ZZ
Rotor Connection	Star	NDE Bearing	6309 ZZ
		Type of Lubrication	Grease

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.